Best
st Avo
ilable
e Col
ydo

APTO		us. 0	economens o na anna Trad	d Commerce emark Office			Сол	alete If Known
. 10/95					Application Humber		Div.	of 09/71 <u>3.030</u> 10/678, is
LIST	OF P	RIOR ART CIT	LED I	BY	Filing Date			
APPLICANT		APPLICANT			First Named Inventor	`	Tatu Mi	allines.
	(us	as many sheets as necessary)			Group Art Limit			
	•				Gosminer Name		^1	0075 00059
Sheet			5		Attorney Docket Nor	<u> </u>	- 01	9075-00058
		<u> </u>		U.S. PA	TENT DOCUME	NTS		
U.S. Patent Occurrents			Name of Pate	rates or Applicant	Oate of Potelloss of Cited Docum	ton	Pages, Columns, Unes, Where Relevant Pessages or Relevant	
Económia Indiais	No.'	Number 199	Code crown		of Cited Document		₹"	Figures Appear
١.		3,004,043		Stam		10/10/81		
		1,600,188		Matteon, et a	4	08/17/71		
9			! !	Mattson, et a	4	05/04/78		
7		1,954,978				1		
1		1,954,978 4,005,196		Jandacek e	l al.	01/25/77		
				Jandacek, el Mattson	i al.	07/05/77		
		4,005,198			t al.	07/05/77		
		4,005,198 4,034,083		Mattson		07/05/77		

					EIGN F	PATENT DOCUMENTS		Pages, Columns.	T-
rammer	Cita		Foreign Patent Occurrent			Name of Patentee or Applicant of Clad Document	Date of Publication of Cited Document MM-CD-YYYY	Pages, Columns, Unes, Where Relevant Pessages or Relevant Figures Appear	
Examiner Initials	Cita No.1	Office	Number	Kind (# k	Cota,	Applicate of Colla Document	NON-OD-YYYY	Figures Appear	F
01	1		1,405,346			Great Britain	09/73		+
-77	1	1	0195311			epc	09/88	<u> </u>	+
	1	_	0289638			€PC .	11/88		+
	1,	1	2,035,069			Germany	01/71	<u> </u>	-
7	 	+	2,248,921			Germany	04/74		+
	+	-	2,2 44,44,1			·			4
	 -	 							_
	+				1				
	+				+				
			 		+	 			T

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Oate

Considered

'Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1* if possible. *Applicant is to place a check mark here if English language Translation is attached.

es

Examiner Signature Best Available Copy and Tradament office: U.S. DEPARTMENT OF COMMERCE

ese type a plus sign (+) inside this Box-- 🔢 U.S. Department of Commerce Potent and Trademark Office 4498/PTO Rev. 10/95 Div of 191 4 4 030 Application Number LIST OF PRIOR ART CITED BY Filing Cate **APPLICANT** First Named Inventor Tatu Mettinen Group Art Unit fuse as many sheets as necessary) **Examiner Name** œ 15 Afformer Docket Number OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS include name of the eather (in CAPITAL LETTERS), die of the article (when appropriate), tile of the item (book, magazine, journel, satist, nymosiskin, odding, dtc.), dale, paga(s), volume-issue number(s), publisher, country, where published, source, P Ecomina Initiats Cite No. European Journal of Chrical Investigation, Vol. 10, pp. 27-33, (1997), T. Martinen "Phylostarossems, Aerthornalogs and Premisione Affects for Affects (Disease A Case with High Plant Sterol Absorption, Impaired Starol Elmanston and Low Chalessand Systhesis" Scand, J. Castroenters, Vol 23., pp. 997-972, (1988), K. Hüdda, et al. "Sarum Cholesters Procursors, Cholestenol, and Pont Stards in Primary Ethary Comesia" Z. Klin, Chem. Blochem., Vol. 9, pp. 47-52, (1971), T. Mesthren, et al.
"Ede Sairis, Sterots, Sterot Esters, Glycendos and Fathy Acids in Microtar and OB Phases of Intentinal Contents During Fat Dispession in Man" Journal of Upid Research, Vol. 20, pp. 648-653, (1979), A. Hassen, et al. "Interstrial Absorption and Lymphatic Transport of Chatesterol and (A-Stostand in the Rat" Journal of Organic Chemistry, Vol. 25, pp. 1209-1219, (1960), A. Kuinsia, et al. "Preparation and Certain Physical Properties of Some Plant Steryl Estate" Synthetic Communications, Vol. 18, pp. 1423-1430. (1985), M. Sarcia, et al.
"A Convenient Method of Esterification of Fathy Acids, Preparation of Alloy Esters, Sterol Esters, Wax Esters and Trizoylogycerots" Lipids, Vol. 12, pp. 242-244, (1977), A. Prathudesai A Sample Method for the Preparation of Chalesterol Esters 1 Chemistry and Physics of Lipids, Vol. 15, pp. 216-221, (1975), S. Lentz, et al. "A surroup Method for the Synthesis of Chalesteral Exters in High Yield" Organic Preparations and Propositures, Vol. 1(2), pp. 107-109, (1969), R. Augustina, et al. The Passeum Catalyzed Hydrogenation of Cholestero Journal of American Oil Chemister Society, Vol. 55, pp. 798-805, (1978), B. Smortwessen "Interestentiazion of Fals"

Examiner Signature	(120	Oate Considered	37x1	
Signature		Considered	100	

Journal of American Oil Chemistry Society, Vol. 50, pp. 915-818, (1983), Y. La, et et. Privaccu and Chemical Properties of Kandomy Interestantied Blends of Soybean Oil and Tallow for Use as Margarine Oils'

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Unique citation designation number. 'Applicant is to place a check mark here if English language Translation is attached.

Best Available Capy Approved for use through 950028, CHES 0551-0001

an type n ptus sign	(+) pzz	side Uhis Bas	COMMENSATION OF COMMENSATION COMENSATION COMMENSATION COMMENSATION COMMENSATION COMMENSATION COMENSATION COMMENSATION COMMENSATION COMMENSATION COMMENSATION COMM				
B/PTO 10/95		U.S. Department of Commerce Patient and Tradement Office		Complete if Known			
			Application Number	div.:of.09/713:030	10/4787		
LIST O	F	PRIOR ART CITED BY	Filing Date				
		APPLICANT	First Named Inventor	Tatu Medinen			
	(u	rea sa urany specia az neceszany)	Group Art Unit				
	•		Examiner Name				
Sheet		3 4 15	Afterney Docket Humber	019075-00058			
		OTHER PRIOR ART - NO	N PATENT LITERATUR	E DOCUMENTS			
		Include name of the author (in C the item (next, magazons, journ member(s).			T.		
restricter N	d d	unique (1)	publisher, country, where publish	ned, source.			
2		Circulation, Vol. 7, pp. 702-708, (bby 1953), O. Polizik Reduction of Blood Circlesterol in Marr :					
		Pric Soc Em Etal Med. Vol. 78, pp. 143-147, (1951), Q. "Effect of Sayocari Stands in the Clas on Plasma and Live	Peterson r Chalesterol is Chicks*				
		Circulation, Vol. 7, pp. 696-701, (May 1953), O. Petati Successful Prevention of Experimental Hyperotolesteren	nia and Cholestera Alberoscienc	sis in the Rabbit"			
11	Circuiston, Vol. 17, pp. 890-899, (May 1956), J. Farcultar, et al. "Response of Serum Upids and Upoproteins of Man to Beta-Situateral and Saffiower CII"						
		Journal of Unid Research, Vol. 10, pp. 304-315, (1969), The interaction of Unidestern Absorption and Cholester	S. Grundy, et al. ne Synthesis in Marr'				
		Ceursche Medizinische Wochenschuft, Vol. 101, pp. 130 "Stastenn der Familier Hyperspaproteinismie Typ II"	18-1311, (September 1975), P. O	ster, et al.			
		Atheroscierosis, Vol. 28, pp. 325-339, (1977), A Lees, e "Flan: Slerus as Cholesterol-Lowering Agents: Carucal	at at. Trials in Patterns with Hyperwole	sterolemia and Studies of Sterol Balanca" .			
		Münch, Medizinische Wochenschinf, Vol. 120, pp. 1575 Uosiswikszinkeil von ji-Slosterin dei Hypercholesterin	i-1578, (1969), W. Schwartskopff, ramen der Typen iss und lib"	ea ci.			
		The American Journal of Clinical Mundon, Vol. 43, pp. "Serum Plant Sterois and Their Resiston to Chalastero	92-97. (January 1988), R. Tilvis, Absorption	ei al.			
		American Journal of Egidemiology, Vol. 131, No. 1, pp. Serum Pfant Sterois and Cholesteral Precursors Refle Synthesis in Volunteers of a Randomly Selected Mate	, 20-31, (1990), T. Meitinen, et al ec Cholestard Absorption and Population	-	•		
1		Scand, Journal, Clin, Lab, Invest, Vol. 48, pp. 715-72 Regulation of Plasma Plant Sterd Levels in Patients v	2. (1985). M. Fanodil. et al. with Gui Resections				
Examiner Signature		Car		Date Considered			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

PTO/SECTA (6-65
Approved for use through 9/30/58, CM8 0531-003
Palent and Trademark office: U.S. DEPARTMENT OF COMMISSION

۱,	AASE	PTO				-	U.S. Department Patent and Tra	of Commerce		Complete # K	Chasser .	
,									Application Number	div. of	16, 6	178138
		LIS	ST	OF I	PRIOR	ART	CITED	BY	Filing Cabe			
]			•		APPL	CAN	T		First Named Inventor	Tatu Mettinen		
3				(·	ste as many she	2512 253 NeCC	33 3 (Y)		Group Art Link		70 TO A SECURITION OF THE PARTY	
									Examiner Hame			
3	9	heet			4	ď	15		Afterner Docket Number	-019075-	-00058	
1						o	THER PRIOR	RART - NO	N PATENT LITERATU	RE DOCUMENTS		
	Esca trait	errine Isla*	,	7 .8			trickude raime of the dam (book.	the author (in C magazine, journ number(s),	CAPITAL LETTERS), the of the ed. carbol, symposium, catalog, publisher, country, where publi	eritcie (when appropriate), (cit.), date, page(s), volume shed, scotte.	Citie of History	77
1		7	P		Chemical Abs Mechanisms	tracts, Val. of Action of	115, No. 1, (1991 Plant Starces on), T. Heineman Intellien of Ch	s, et al. Mesturol Absorption: Competer	in of Stasterol and Stasten	or .	
·]					Chemical Abs	trace, Vol.	112, No. 7, (1990 Salastanol and M	i), i. Oberte, et al locater Schumilly	d Cholestarol*			
}			Chemical Abstraces, Vol. 112, No. 7, (1990), T. Heimamann, et al. Companison of Silostanol and Silostanol on Inhibition of Intestinal Cholestarol Absorption*									
ر ا ا					Cherrical Abstracts, Vol. 95, No. 13, (1991), L. Decta, et al. Analypercritical enterior Activity of B-Silbatand in Rabbits*							
j					Chemical At A Company	stracts, Vol ion of Hypo	L 88, No. 3, (1976 chalesteralenic A	I), M. Sugano, e extinity of β-Silos	t at. uterot and β-Silossand in Rats*		**************************************	
					Chemical Al Salostero	atty Acid E	L 71, No. 1, (196)	9), T. Tsuchiya				
					Internationa	d Search R	eport, dated 12/11	1/91.				
			1		Internation	si Prefinina	ry Exem Report,	dated 08/04/93.				
			1		Capy of Wi	ritten Opinia	on from Internatio	nal Proliminary	Exam Authority, dated 04/14/50			
	1		7									
	; !											
Ŀ	d											
î		Exa Sign	mine		C	l	<u> </u>			Date Considered	37.08	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 9/30/96, CMB 0551-003

ZI.	10/95	,		U.S.	Decorporate of Commerce text and Trademark Office		Complete i	11, 1121	
						Application Humber	Div	÷ 09/713,030	0/120130
l	L	IST	OF	PRIOR ART C	ITED BY	Filing Cate			
1				APPLICANT		First Named Inventor	Tatu Medinas		
1			((use as many sheets as necessary)	Group Art Unit			
L						Examiner Hame			
L	Sheet		5	a l	15	Afterney Docket Number	019075	-00058	
Γ	_		<u> </u>	OTHE	R PRIOR ART - NO	N PATENT LITERATI	IRE DOCUMENTS		
5	Samin nitalar	er	Cillo No.	T		APITAL LETTERS), tile of the sk. sacial, symposium, catalog publisher, country, where pub), title of	ıı
	0			Upgrettein Metabolism, pp. 112 Elitects of Low Dose Phytostert					
				Altherospierosis, Vol. 23, pp. 23 Effects of Plani Starots on Cha	9-248, (1978.) B. Kudchodi Kesterol Metabodism in Man	or, et al.			
				Journal of Linia Research, Vol. Innocesin of Cholesterol Absor	29, pp. 1573-1582, (1988), prion in Rate by Plant Stero	L Disection, ect act.		-	
	•			Journal of Unid Research, Vol. "Uscrimmanian derween Chale	29, pp. 1563-1591, (1988), sterol and Silosterol for Ab	, L. Doeda, et al. surption in Rats'			
				J. Near. So. Vitaming! Vol. 15. Edects of Silosters and Silos	op. 261-369, (1989), I. Rec rand on micellar Schoolity o	da, et al. d'Cholestero'			
				Atheroscierosis, Vol. 10, pp. 2 Companison of Absorption and	27-237, (1978), L liteda, et I metabolism of β-Silosterol	al. and β-Simutanul in Rain*			
	•			J. Nutr., Vol. 197. op. 2011-20 X Comparison of Hypocholest	119. (1977), M. Sugano, et a eremic Activity of (I-Sitoster	el. rol and β-Sitestand in Pate*			
				Atheroscierops, Vol. 61, pp. 2 Eriect or Law-Dose Sitestano	M9-223, (1985), T. Hernam Il on Serum Cholesterol in P	ann, et al. Papents with Hyperchiclesterol	amia"		
				Upogratein Metapolism, op. 1 Erlects of Sussianoi Therpay	19-124, (1976), (Ed. H. Gre on Plasma Upid and Upop	eton, Berlin, Heidelberg, New Indian Concentrations	York Springer-Verlag), R. (.ecs, cl al.	
	J. Nucr., Vol. 107, pp. 1139-1146. (1977), F. Mattson, et al. "Effect of Plant Sterol Esters on the Absorption of Dietary Cholestorol"								
֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	Agents Actions (Suppl.), Vol. 28, pp. 117-122, (1988), T. Hemerrann, et al. "Companson or Silosterol and Silostanol on Inhibition of Intestinal Chatesterol Absorption"								
j	,								
Columbia.	Exa Sign	miner 12ture		Con		. :	Date Considered	8718	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Unique citation designation number. 'Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 950000, Child 3651-000

LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary) Sheet OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), the of he settle (when appropriate), title of	19/95	U.S. Decarprient of Commerce Patern and Trademark Office		Complete if Known
APPLICANT (use as many sheets at necessary) Cross AN Use Gross AN Use Cross AN Use OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS Includes reares of the scales (increase factor), the of the sticks (where appropriate), this of the cost (1000, magnetine, factor), the other patents (increase factor) Increase of the scales (increase factor), the other patents (increase factor) Increase of the scales of the scales of the scales (increase factor) Life Sciences, Vol. 57. No. 1, pp. 195-204, W.H. Ling, at al. Use of the scales of the sc				Div que 99,6713,030 /0/678,
Citize as many sheets as necessary) Grown An Link Exercises Name Other PRIOR ART - NON PATENT LITERATURE DOCUMENTS Declaria represent of the earther (in CAPTALLETTERS), due of the erfois ferbies accordance, the of the dark (poundamental plants) and plants are proposed as a company of the dark (poundamental plants) and plants are published, secure, and the company of the dark (poundamental plants), and plants are published, secure, and the proposed of the regional Primary of the Subdiship of Christopaters (in an Ca Primary Units Sciences, Vol. 18, pp. 203-210, (1977), R. Indicated at all Color of the Regional Primary of Message and Subdiship of Christopaters (in an Ca Primary) Units Sciences, Vol. 17, No. 1, pp. 195-204, WH. Ling at at Color of the Regional Primary of Message and Subdiship of Christopaters (in an Ca Primary) replacement in Primary (in American at All Transcriptions) and Subs Effects Units Sciences, Vol. 27, No. 1, pp. 195-204, WH. Ling at at Color of the Regional Primary and Usin Acad Prioritional on Higher Contractions and Subs Effects Units Sciences, Vol. 27, No. 1, pp. 197-206, (1937), In. Meditines, et al. The New Ecopinal Journal to Medicine, Vol. 331, pp. 130-1312, (1939), T.A. Meditines, et al. The New Ecopinal Journal to Medicine, Vol. 331, pp. 130-1312, (1939), T.A. Meditines, et al. The New Ecopinal Journal to Medicine, Vol. 331, pp. 130-1312, (1939), T.A. Meditines, et al. The New Ecopinal Journal to Medicine, Vol. 331, pp. 130-1312, (1939), T.A. Meditines, et al. The New Ecopinal Journal on Science Allera Science and Science and Science and Allera Science and our Science Colorests Afterward-morph Vol. 24, pp. 301-309 (1978), M. Supprior, et al. United Science, Vol. 24, pp. 301-309 (1978), M. Supprior, et al. Special Chiestophic Christophic Allera Science and Page Science and Page Science Christophic Chri	LIST O	OF PRIOR ART CITED BY	Filing Clate	
Sheet		APPLICANT	First Named Investor	Yatu Mettinen
Statement Class Class		(use as many sheets as necessary)	Group Art Unit	
OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS Distinctor name of the author (in CAPITAL LETTERS), title of the eribble (when appropriate), this of the final property of the first (book, magazine, serial, erropentin, calledge, act, dais, page(in), volume-inside of the final property). Vol. 18, pp. 200-210, (1977) R. Jaminson, dais, carry, were published, search. Jaminson of United Response, Vol. 18, pp. 200-210, (1977) R. Jaminson, et al. Life Sciences, Vol. 37, No. 1, pp. 195-200, W.H. Ling, et al. United y Phylosopriate A Review of Metabolism, Bornath and Side Effects* United Sciences, Vol. 37, No. 1, pp. 195-200, W.H. Ling, et al. United y Phylosopriate A Review of Metabolism, Bornath and Side Effects* United Sciences, Vol. 37, No. 1, pp. 195-200, W.H. Ling, et al. United Y Vol. 37, No. 1, pp. 195-200, W.H. Ling, et al. United Sciences, Vol. 37, No. 1, pp. 195-200, W.H. Ling, et al. United Sciences, Vol. 30, pp. 217-228, (1994), LA. Meditina, et al. United Sciences, Vol. 2103, pp. 217-228, (1994), LA. Meditina, et al. United Sciences, Vol. 2103, pp. 217-228, (1994), LA. Meditina, et al. Vol. 31, pp. 197-208, (1987), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309 (1976), M. Supatro, et al. United Sciences, Vol. 24, pp. 301-309	See I		Examiner Name	
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the surber (in CAPITAL LETTERS), the of the effets (when approximate), title of the dam (book, magazana journal, seed, symposium, caleta, etc.), dist, page(s), volume-tosus (included of the form (book, magazana journal, seed, symposium, caleta, etc.) Increal of Upol Research, Vol. 18, pp. 202-210, (1977), R. Jandande, et al. **Elicit of an Agustica Prisse on the Scalability of Christosord in so Osl Prisse?* Life Sciences, Vol. 57, No. 1, pp. 195-208, W.H. Life, et al. **Ubday Phyliosordax A Review of Metabolism, Benefits and Side Effects* The Actin, and Christosord In Health and Objects, Paik Symposium 33, pp. 183-197, LA Matchen, et al. **Technologism of Section of Medicine, Vol. 333, pp. 193-197, LA Matchen, et al. **Technologism of Section of Medicine, Vol. 333, pp. 193-197, LA Matchen, et al. **Technologism of Section of Medicine, Vol. 333, pp. 193-197, (1930), T.A. Matchen, et al. **Neurosci of Section Direction with Sindanni-Ester Mangazana in a Middy Hyperondesserolamic Proprietion* Pharmac, They, Vol. 31, pp. 177-208, (185) O.J. Potick **Teck of Plans Service and Security of Plans Sections in Hasts Afterward emois, Vol. 24, pp. 177-208, (185) O.J. Potick **Lifect of Plans Service Acts, Vol. 205, pp. 57-107, (1927), H.T. Vanharen, et al. **Upol-Christos Acts, Vol. 205, pp. 57-107, (1927), H.T. Vanharen, et al. **Lifect of Upola Research, Vol. 22, pp. 1535-1644, (1935), H.T. Vanharen, et al. **Security Upola Research, Vol. 22, pp. 1535-1644, (1935), H.T. Vanharen, et al. **Security Upola Research, Vol. 22, pp. 1535-1644, (1935), H.T. Vanharen, et al. **Security Upola Research, Vol. 27, pp. 1535-1644, (1935), H.T. Vanharen, et al. **Security Upola Research, Vol. 28, pp. 1535-1644, (1935), H.T. Vanharen, et al. **Security Upola Research, Vol. 28, pp. 161-17, (1921), H.T. Vanharen, et al. **Security Upola Research, Vol. 28, pp. 161-17, (1924), H.T. Vanharen, et al. **Security Upola Research, Vol. 28, pp. 161-17, (1	3700	<u> </u>	Attorney Darket Number	D19075:_000 58
Immute of Upig Research, Vol. 18, pp. 200-210, (1977), R. Jandances, et al. Effect of an Aquasus Prisses on the Solubity of Cholesterol in an Oil Presse* Unit Syringtones Vol. 57, No. 1, pp. 195-208, WJH, Ling, et al. Unitary Principates A Review of Metabolism, Serusins and Side Effects* Ellis Adds and Ondesterol in Health and Objects. Falk Syringestum 33, pp. 183-187, I.A. Methons, et al. Tenn-Undesterol Serus and Male Add Production in Hypertrisonances receive Patients with field Bypass* Antheroxylerods, Vol. 103, pp. 217-228, (1934), I.A. Metthen, et al. Tuckey's Substand Related to Absorption. Symhesis and Serum Level of Cholesterol in Officered Apollopoprotain E. Phonotypes* The New Ecolorid Journal for Medicing, Vol. 233, pp. 1908-1912, (1939), T.A. Macthon, et al. Nationation of Setum Unitedatory with Situatorio-Error Mangazone to a Middly hypercrudesserolerine Preprintedory* Promote, They, Vol. 31, pp. 177-208, (185) O.J. Podek Error of Plant Sterots on Serum Upids and Amendatorosis* Atheroxolerods, Vol. 24, pp. 301-309 (1978), M. Sugano, et al. Upid-Lovering Addity for Phytosolarosis in Ress Clinica Chimica Arts., Vol. 205, pp. 97-107, (1922), H.T. Varitanon, et al. **Effects of Uses Research, United Services and Services on their Service Contents* **Description Linds Research, United Services and Services on Hypertridestagetonic Subjects with Officerest spots Phonotypes Quaring Clintory Service Lines (1998), Vol. 27, pp. 61-67, (1994), H.L. Varitanon et al. **Service Lines (1998), Vol. 27, pp. 16-67, (1994), H.L. Varitanon et al. **Service Lines (1998), Vol. 27, pp. 16-67, (1994), H.L. Varitanon et al. **Service Lines (1998), Vol. 27, pp. 16-67, (1994), H.L. Varitanon et al. **Service Lines (1998), Vol. 27, pp. 16-67, (1994), H.L. Varitanon et al. **Service Lines (1998), Vol. 27, pp. 16-67, (1994), H.L. Varitanon et al. **Service Lines (1998), Vol. 27, pp. 16-67, (1994), H.L. Varitanon et al. **Service Lines (1998), Vol. 27, pp. 16-67, (1994), H.L. Varitanon et al. **Service Li		OTHER PRIOR ART - NO	N PATENT LITERATUR	
Institut of Upid Research, Vol. 18, pp. 203-210, (1977), R. Jandancel, et al. Efford of lan Aquasica Princes on the Solubility of Cholesterol in an Oil Presse? Un Sciences, Vol. 57, No. 1, pp. 195-208, W.H. Ling, et al. Unitary Phylosopratic A Review of Metabolism, Servicio and Side Efforce? Ella Adria and Ordesterol in Health and Objects. Falk Symposium 33, pp. 183-187, I.A. Metithen, et al. "Non-Undesterol Service and Meta Acad Production in Hypertroconcercus are Patients with feel Bypass." Ambrosofronis, Vol. 103, pp. 217-228, (1934), I.A. Metithen, et al. Tuckey Substand Relation to Absorption, Symbesis and Servin Level of Cholesterol in Different Apollopoprotain E. Phonotypes." The New Ecotoric Assimplific Medicing, Vol. 233, pp. 1305-1312, (1936), T.A. Metithen, et al. National Assimplific Medicing, Vol. 233, pp. 1305-1312, (1936), T.A. Metithen, et al. National Control Assimplific Medicing, Vol. 233, pp. 1305-1312, (1936), T.A. Metithen, et al. National Control Assimplific Medicing, Vol. 233, pp. 1305-1312, (1936), T.A. Metithen, et al. National Control Assimplific Medicing, Vol. 233, pp. 1305-1312, (1936), T.A. Metithen, et al. The New Ecotoric Assimplific Medicing, Vol. 233, pp. 1305-1312, (1936), T.A. Metithen, et al. The New Ecotoric Assimplific Medicing, Vol. 233, pp. 1305-1312, (1936), T.A. Metithen, et al. The New Ecotoric Assimplific Medicing, Vol. 233, pp. 170-170, (1937), H.T. Vanhanen, et al. Clinica Chinega Acta, Vol. 205, pp. 97-107, (1937), H.T. Vanhanen, et al. Service Chinega Acta, Vol. 205, pp. 97-107, (1937), H.T. Vanhanen, et al. Service Chinega Acta, Vol. 205, pp. 97-107, (1937), H.T. Vanhanen, et al. Service Chinega Acta, Vol. 205, pp. 97-107, (1937), H.T. Vanhanen, et al. Service Chinega Acta, Vol. 205, pp. 97-107, (1937), H.T. Vanhanen, et al. Service Chinega Acta, Vol. 206, pp. 97-107, (1937), H.T. Vanhanen, et al. Service Chinega Acta, Vol. 207, pp. 81-87, (1934), H.T. Vanhanen, et al. Service Chinega Acta, Vol. 207, pp. 81-87, (1934), H.T. Vanhanen, et al.	zaminer Cile	the the sucher (in C the dam (book, magazana, journ lo.'	CAPITAL LETTERS), the of the artist, serial, symposium, catalog, of publisher, country, where publish	Side (when appropriate), title of L), dalk, page(s), volume-issue ed, source
Elle Adrits and Chobsterrol in Health and Disasses, Falk Symonshum 33, pp. 183-187, LA. Missiners, et al. Technologistard Starcus and Bale Adri Production in Hypercrossessesce Patients with Beel Bypass. Antherosoferopis, Vol. 105, pp. 217-228, (1994), LA. Missiners, et al. Tubelary Substand Related to Absorption, Symhesis and Serum Lovel of Cholesterol in Oliforent Apolipoprotein E. Phenotypes. The New England Journal fo Medicine, Vol. 333, pp. 1308-1312, (1995), T.A. Missiners, et al. Tacucation of Serum Cholesterol with Sibistanol-Ester Manyama in a Middy Hypercrossessroteinic Population. Presimac, They, Vol. 31, pp. 177-208, (185) O.J. Potass Effect of Plans Sterols on Serum Lipitis and Atherosoferosis. Atherosoferopis, Vol. 24, pp. 301-309 (1976), M. Sugano, et al. Upod-Lowering Addy, Vol. 205, pp. 97-107, (1992), H.T. Vantasmen, et al. Effects of Unsabarisies and Saburated Eleisary Plans Sterols on their Serum Contents. Journal of Linde Research, Vol. 24, pp. 1515-1644, (1993), H.T. Vantasmen, et al. Starton Cholesterol, Citalesterol Procursors, and Plans Sterols in Hypercrodesterolanic Subjects with Oliforent spots Phonothypes Ouring Classry Starting Linges, Absorption Efficiency, February Elemention and Scriffess of Cholesterol Dates Intercept Dates of Research Contents. Starting Linges, Absorption Efficiency, February Elemention and Scriffess of Cholesterol Dates in Impression Dates of Research Cholesterol Contents.	00			
Antherosciences, Vol. 165, pp. 217-228, (1994), LA. Miestinan, et al. Tuckary Substand Related to Absorption. Synthesis and Serum Level of Cholestand in Gifferent Apolipoprotain E. Phenotypes* The New England Journal fo Medicine, Vol. 333, pp. 1308-1312, (1995), T.A. Matthrot, et al. Yearustion of Serum Unicesteria with Sibestanoi-Ester Mangazone in a Middy Hyperordesserblenic Population* Presmac, Ther., Vol. 31, pp. 177-208, (185) O.L. Pediat Effect of Plant Stends on Serum Lipids and Americationsis* Atherosciences, Vol. 24, pp. 301-309 (1978), M. Sugano, et al. Upd-Lowering Activity to Phytostanois in Plans Clinica Chiming Acta, Vol. 205, pp. 97-107, (1992), H.T. Vanhanen, et al. "Effects of Unsalurated and Saturated Eleisary Plant Stends on their Serum Contents* Journal of Lipid Research, Vol. 24, pp. 1535-1544, (1993), H.T. Vanhanen, et al. Serum Lossessard, Crossessard Procursors, and Plant Stends in Hypercontestandenic Subjects with Different apoli Phenotypes Quarting Cliesary Chimical Science, Vol. 87, pp. 81-67, (1994), H.I. Vanhanen et al. Serum Loves, Absorption Emidentor, Februal Emmanden and Synthesis of Cholestand Durton Impression Date of Messary Sciences in Procursors of Cholestand Durton Impression Date of Messary Sciences in Cholestand Durton Impression Date of Messary in Cholestand Durton Impression Date of Messary Sciences in Cholestand Durton Impression Date of Messary in Contents in Cholestand Durton Impression Date of Messary in Cholestand Durton Impression Date of Messary in Cholestand Durton Impression Date of Messary in Cholestand Durton Impression Date of Cholestand Durton Impression Date o		Life Sciences, Vol. 57, No. 1, pp. 195-208, W.H. Ling, et al 'Undary Phylosomus: A Review of Metabolism, Bertalis an	i. nal Side Effects*	
The New England Journal fo Medicine, Vol. 333, op. 1308-1312, (1995), T.A. Mostmer, et al. Naturation of Serum Cholesteria with Substantol-Ester Marganna in a Middy Hyperchilesterolestic Population* Prosmat, They, Vol. 31, op. 177-208, (185) O.J. Potisk Effect of Plant Sterots on Serum Upids and Atherosoticrosis* Atherosoticrosis, Vol. 24, op. 301-309 (1976), M. Sugano, et al. "Upid-Lowering Activity to Phytostantis in Rais" Chrica Chimica Acta, Vol. 205, op. 97-107, (1992), H.T. Vanhannen, et al. "Effects of Unsalurated and Saturated Eletary Plant Sterots on their Serum Contents" Journal of Upid Resperch, Vol. 24, op., 1535-1544, (1993), H.T. Vanhannen, et al. "Serum Cholesterol Precursors, and Plant Sterots in Hyperchitesterolessic Subjects with Different apoli Phonotypes Ouring Closery Chrical Science, Vol. 87, op., 81-67, (1994), H.L. Vanhannen et al. "Sorum Linears Absorption Efficiency, Fascel Elimenation and Suffices of Cholesterol During December Fascel Elimenation and Suffices of Cholesterol During Interest Fascel Elimenation and Suffices of Cholesterol During Inter	•	Elle Acids and Chatesterol in Health and Ossasse, Falk Syr Non-Chalesterol Sterois and title Acid Production in Hype	rmooskum 33, pp. 183-187, LA. M archolosparotzernic Patierna with 8	etther, et al. ea Bypass*
Pharmare, They, Vol. 31, pp. 177-208, (185) O.J. Pediate Effect of Plans Sterots on Serum Upids and Atherosciencesis* Atherosciences, Vol. 24, pp. 301-309 (1978), M. Sugano, et al. "Upid-Lowering Activity to Phytostanous in Rais" Clinica Chimies Acta, Vol. 205, pp. 97-107, (1992), H.T. Vanhanen, et al. "Effects of Unsalumused and Saturated Distary Plans Sterots on their Serum Contents" Journal of Linds Research, Vol. 24, pp. 1535-1544, (1993), H.T. Vanhanen, et al. Serum Contents on Unsalumused Procursors, and Plans Sterots in Hypercontestanteenic Subjects with Offerent apod Phonotypes Ouring Cliebary Chimical Science, Vol. 87, pp. 81-67, (1994), H.L. Vanhanen et al. Serum Lowers, Absorption Effectory, Facent Elimenting and Sympassis of Cholesteral During Interest Distance of Distance of Chapter Sterots During Interest During Inte		Antheroscienceis, Vol. 105, pp. 217-226, (1994), LA. Mientin Thetary Substanti Ratated to Absorption. Synthesis and S	non, et al. Serum Lovet of Cholestarol in Olff	arent Apolipopratain E. Phenotypes*
Athersodemois, Vol. 24, pp. 301-309 (1976), M. Sugaro, et al. **Upd-Lowering Acts., Vol. 205, pp. 97-107, (1992), H.T. Vanhanen, et al. **Clinica Chimica Acts., Vol. 205, pp. 97-107, (1992), H.T. Vanhanen, et al. **Effects of Unsalurated and Saturated Dietary Plant Sterois on their Serum Contents*		The New England Journal to Medicine, Vol. 333, op. 1368 Naturation of Serum Chalesterol with Stretanol-Ester Ma	l-1312, (1995), T.A. Medinon, et a programe in a Mildly Hypercrolesse	relatric Population*
Clinical Chimical Acts., Vol. 205, pp. 97-107, (1992), H.T. Vanhanen, et al. "Effects of Umahirsaid and Saturated Dietary Plant Sterols on their Serum Contents"		Pharmac, They, Vol. 31, pp. 177-208, (185) O.J. Polisk Effect of Plant Stands on Serum Upids and Atheroscience	sis*	
Courted of Linds Research, Vol. 24, pp. 1535-1544, (1993), H.T. Vantamen, et al. Sorum University Citizensers' Procursors, and Plans Stercis in Hypercrokestaptionic Subjects with Offerent apoli Phonotypes Ouring Citizery Chrical Science, Vol. 87, pp. 61-67, (1994), H.L. Vantamen et al. Serum Loves, Absorption Efficiency, Facetti Elimention and Sympessis of Cholesters' During Ingression Decree of Citator States of Cholesters' Decr		Atheroscienosis, Vol. 24, pp. 301-309 (1978), M. Sugano, 'Upod-Lowering Activity to Phytostanois in Rass'	. et al.	
Council of Lipid Responds, Vol. 24, pp. 1535-1544, (1993), H.T. Vannanon, et al. Serum Understand, Cristianted Procursors, and Plans Sterois in Hypercrotestaptemic Subjects with Offerent apoli. Phonotypes Ouring Clearly Schools Sciprop, Vol. 87, pp. 81-87, (1994), H.L. Vannanon et al. Serum Loves, Absorption Efficiency, Fuend Elimention and Symposis of Cholestand Ouring Ingression Decree of Distance States of States in Ingression Decree of Distance States of Cholestand Ouring Ingression Decree of		Clinica Chiming Acts., Vol. 205, pp. 97-107, (1992), H.T. Effects of Unsahrased and Saturated Dietary Plant Sten	Vanhanen, et st. ots on their Serum Contents*	
Chrical Science, Vol. 87, pp. 61-67. (1994), H.L. Vantanen et al. "Serum Loves, Absorption Efficiency, Facest Elimenation and Synthesis of Cholestard During Increasing Doses of Dietary Stostand Esters in Hypercholesterolesseroic Subjects"		Sorum Chosessorth, Vol. 24, pp. 1535-1544, (1993 Sorum Chosessort, Cholestortal Procursors, and Plant S Strestal Ester Treatment*	I), H.T. Ventanen, et al. Berois in Hypercholesterblemic St	blacts with Different spoE Phonotypes Ouring Discory
	3	Chrical Science, Vol. 87, pp. 61-67, (1994), H.I. Vantanic Serum Loves, Absorption Efficiency, Facool Etheration Hypercholesterolasmic Subjects*	on et al. 1 and Symbosis of Cholesterol Du	ring increasing Doses of Dietary Silestanol Esters in

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Unique citation designation number. ¹Applicant is to place a check mark here if English language Translation is attached.

488/PTO				U.S. Department	ar Commerce			Complete # Known			
w. 10/95				Language 10	idemark Office	Application (Number		Div of 09/713;030 /	1618/13		
LIST	OF	PRIOR A	\RT	CITED	BY	Filing Data	- 1		7 1010/13		
L.O.	•	APPLIC				First Named Inventor		tats Matthen			
	(use as many sheets				Group Art Unit					
	`					Examiner Name	$\neg \neg$	•			
Sheet	7		ol .	15.		Altorney Dochet Municer	\Box	№ 019075–00058			
			01	THER PRIOR	ART - NO	N PATENT LITERATUR	Œ DOC	UMENTS			
Examinar Initiate	8			trictude reams of the item (book, i	the author (in C magazine, journ number(s),	APITAL LETTERS), the of the a al, satist, symposium, catalog, e publisher, country, where publish	ericia (win	to accuditate)' (to of	יז		
A P		European Journal Mechanisms of A	or Clark	zd Pharmacology	, Val. 40 (Sund	L), pp. 559-663, (1991), T. Helm Mestard Absorption					
		The American Jos Optimizing the E	umat of t	Clinical Mutrition, Pant Staros on C	Vol. 35, pp. 697 hotestard Abso	-700, (1982), F. Mazzon, et al. rpton o Marr					
		J. Clin. Invest., Vo Unlessmal Chales	al. 60, pr Abral Ab	p. 578-581, (Aug. scarption Efficience	est 1987), Y. Ke y in Man is Refa	săzierrii, et al. ded to Apoprdain E Phonotypa*					
		Annals of Cinical Metabolic confe	Resem	ch, Vol. 20, pp. 2 of Plasma Chole	6-31, (1985), Y. Marer	Kesāniemi, et al.					
		Journal of Light F "Appliprotein is if	Respond	n, Vol. 27, pp. 22 mism in the Finni	7-235, (1988), C sh Population: C	L Ehnnolm, et al. Sens Frequencies and Relation t	la Lipoprat	tein Concentrations*			
		The Lancet, Vol. Serum Cholaste	2. pp. 1	261, (November ponse to Dietary	1988), T. Meittr Cholesterol and	nen, et al., Apoprotein E Phenotypa'		. •			
		N.Y. Academy of Absorbability of	Science Beca-Sa	es, Vol. 2, pp. 12 lasteral:	9-134, (1955), (3. Gould	-				
		Metabofism, Vol Absorpacity of	L 18, pp.	652-662 (1969) itosterol in Huma	, G. Goutel, et a	L					
		The Journal of C	Cilrecal I	nvestigation, Vol. erol of Man	49, pp. 952-96	7, (1970), G. Salon, et al.					
		Journal of Linid Increased Plan	Resear	ch, Vol. 28, pp. 2 Sestand and So-	03-209, (1985), Saturated Plant	G. Sation, et zi. Starral Convenives in Subjects wi	ih Shrite	rdenia and Xanthomatosis*			
1		Journal of Lipid	Research A	rch, Vol. 30, pp. 1 bsorption, Decre	319-1330. (198 ised Removal.	9), G. Salen, et zi. und Expanded Body Poots derolema with Xanthomacosis*					

Examiner Signature	Car	Date Considered	3708	
-----------------------	-----	--------------------	------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 9/50/98, OMB 6851-0031
Approved for U.S. DSRAPTIVENC OS CONCENTRATION OF CONCENTRAT

PERMIT	PTO		skida Ofis Box - (E)	- Op	y management under the	S. DEPARTMENT OF COMMERC	
ev. 10	295		U.S. Department of Commerce Patent and Trademant Office		Complete if Known		
				Application Humber	FFV- 09/713	10/678,135	
	LIST	OF	PRIOR ART CITED BY	Filling Date	-10 077.203	· · ·	
			APPLICANT	First Named Inventor	Tatu Mettinan		
		(use 63 many sheets as necessary)	Group Art Unit			
_				Scattliner Harne			
Sh	reed	8		Afformer Docket Humber	21 99 75-00058		
			OTHER PRIOR ART - NO	N PATENT LITERATU	RE DOCUMENTS		
Exam Initia	CTATAGE*	6 9	include name of the euthor (in C the nam (block, magazine, journ numbert).	APITAL LETTERS), Gille of the	article (when appropriate), title of dic.), data, page(s), volume-issue shed, source.	יד	
d	29		Journal of American Cil Charmists' Society, Vol. 54, pp. 47-4 Alterations in Glycende Composition During Interestention				
	"Thermodynamic and Molecular Ceterminants of Sterol Solubilities in 82e Satt Micefer*, Vol. 28, pp. 1144-1155, (1967), M. Armstrong, et al.						
	Pediatric Pharmacopory and Therapeutics, Vol. 122, No. 2, pp. 252-259, (1993), M. Becker, M.D., et al., Treatment of Severe Farcular Hyperconnecturations in Condinged with Silectoral and Secretary.						
			Papers and Notes on methodology, Vol. 32, co., 1881-1861 "A Simplimed Micro-Method for Cruantification of Fecal Eco	7. (1991). f. Contraytro, et al. recon of Heutral and Addic St	erols for Outpatient Studies in Humans'		
			Steroids, Vol. 40, No. 2, pp. 233-241, (1982), b. Cayal, et "Identification of Soc-Stands in Patients with Situationsense	al. and Xamhornatosis: Stareoch	emistry of the Protonolysis of Steroidal C	davopousues.	
			J. Sci. Food Agric., Vol. 71, pp. 383-391. (1996), P. Durta. Saturated Sterois (Stannis) in Unhydrogenated and Hydr	, et al. Ogenatied Edibte Vegetable Of	s and in Coreal Lipids"	. *	
			Treatment of Severa Dylloopsyteinemia in the Preventor Serum Chaesserol Lowering by Usaary Stassanon is Ass LOL Aparotten 8 in Man with Type (I Diabetes*	n of Coronary Heart Obsessa, \ Ocases with request Absorpt	(ol. 4, pp. 57-59, (1933) H. Györng, et al. on an dSymthesis of Choleszard and Dec	reased Transport of	
			Clasherologus, Vol. 37, pp. 773-780, (1994). H. Gyüng et a Serum Charasterol and Charasterol and Lipoprotein Met garme Treatment	a. 2001sm in Hyperchalesterolea	nic NIDDM Patients Before and Cturing S	Rostanol Ester-Mar-	
			Journal of Unid Research, Vol. 18, pp. 1807-1812, (1995 Stassance easier Margannie in Dietary Treatment of Child	i). H. Gylling et al. Iren with Fazzulial Hypercholast	artikarnia*		
			European Journal of Clinical trivestosion, Vol. 23, pp. 6 *Comparison of Intestinal Absorption of Cholesterol with				
	7		J. Nutr. Sci. Vitaminol, Vol. 27, pp. 243, 252, (1981), I. & Anthyperunolesteralemic Activity of B-Sitostand in Rad	ecta et al. bits'			
						- <u></u>	
E	Examine Signature		Con		Date Considered	*	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

##9075-110058

SERIAL N 10/678/35

APPLICANT

MIETTENEN et al.

Rung Jate

GROUP

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Î	4	AM	POLLAK, O.J., "Effect of Plant Sterols on Serum Lipids and Atherosclerosis", Pharmac. Ther. Vol. 31, pp. 177 to 208, 1985.
		AN	JIMÈNEZ DE BLAS, et al., "Determination of Sterols by Capillary Column Gas Chromatography. Differentiation Among Different Types of Olive Oil: Virgin, Refined, and Solvent-Extracted" JAOCS, Vol. 73, no. 12, pp. 1685-1689 (1996).
		AO	DEUEL, JR., "The Lipids - Their Chemistry and Biochemistry", Vol. I: Chemistry, 1951, Interscience Publishers, Inc., N.Y.
	1	AP	SCHUHMANN et al., "METHODS FOR QUALITATIVE AND QUANTITATIVE DETERMINATION OF PHYTOSTEROLS IN VEGETABLE OILS BY LC-GC OFF-LINE", Mitt. Gebiete Lebensm. Hyg. vol. 87, pp. 708-715 (1996).

EXAMINER .	Car	DATE CONSIDERED 8	

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY, DOCKET NO.

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

019075-00058	~29/7 (3,030
APPLICANT	
MIETTINEN, et al.	
FILING DATE	GROUP
Herewith	unknown

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

nining
itents",
·
nted
12
No.
of
S",
ım and

EXAMINER COL	DATE CONSIDERED

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 11 of 15

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY, DOCKET NO. 019075-00058 APPLICANT

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

MIETTINEN, et al. FILING DATE **GROUP**

	(Use several streets if necessary) Herewith unknown										
				U.S. PAT	ENT DOCUMENT					`	
EXAMINE INITIAL			DOCUMENT NO.	DATE	NAME		CLASS	SUB- CLASS		FILING DATE	
00	,	AA	5,244,887	09/1993	STRAUB		_ <				
		AB	4,160,850	07/1979	HALLSTROM et al.						
		AC	1,413,102	11/1975	JANDACEK			<u> </u>			
		AD	3,852,311	12/1974	NICHOLAS et al.			<u> </u>			
				FOREIGN P	ATENT DOCUME	NTS					
			DOCUMENT NO.	DATE	COUNT	RY	CLASS	SUB- CLASS		NSLAT	
~	_	AE	WO 98/06405	02/1998	PCT						
′ 0		AF	WO 96/38047	12/1996	PCT						
		AG	567,202	12/1958	CANADA						
	L	АН	WO 92/19640	11/1992	PCT						
		Al	967616	09/1996	ZA			2	,		Ŀ
ń		AJ	WO 97/42830	11/1997	PCT						
X	1	·AK								<u> </u>	
			OTHER REF	ERENCES (Includia	ng Author, Title, Da	ate, Pertinent	Pages, E	tc.)			
\triangle		AL	Opposition in corr	esponding Australian	Patent Application S	Serial No. 73602	20,		<u> </u>		
10		AM	SUGIYAMA et al.	SUGIYAMA et al., Translation of JP 61-15647 (1986).							
		AN		PETERSON et al., "Dietary Constituents Affecting Plasma and Liver Cholesterol in cholesterol-Fed Chicks", Journal of Nutrition, 1953, Vol. 50, Pages 191-201.							
		AO	Patent Abstract o	Patent Abstract of Japan, Publication No. 09132512, Published May 20, 1997							
		AP	GUNSTONE et a pages 147-155.	GUNSTONE et al., "Lipids in Foods Chemistry, Biochemistry and Technology", Pergamon Press, New York, pages 147-155.							
		AQ	MIETTINEN et al Hypercholesterol 1995.	MIETTINEN et al., "Reduction of Serum Cholesterol With Sitostanol-Ester Margarine In A Mildly Hypercholesterolemic Population", The New England Journal of Medicine, Vol. 333, pages 1308-1312, November 1995.							
		AR	GYLLING et al., "	GYLLING et al., "Serum cholesterol and cholesterol and lipoprotein metabolism in hypercholesterolaemic NIDDM							

EXAMINER	Cor	DATE CONSIDERED 705
*EXAMINER:	Initial if reference considered, whe	ther or not citation is in conformance with MPEP 609; Draw line through citation if not in
	conformance and not considered.	Include copy of this form with next communication to applicant.

patients before and during sitostanol ester-margarine treatment", Diabetologia, Vol. 37, pages 773-780, 1994.

FILING DATE

Herewith

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

019075-00058

APPLICANT

MIETTINEN et al.

Sheet 12 of 15

GROUP

unknown

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FOREIGN PATENT DOCUMENTS

		DOCUMENT				SUB-	IRA	NSLAT	
		NO.	DATE	COUNTRY	CLASS	CLASS	YES	NO F	PART.
M	AG	EP 0 898 896 A1	03/1999	EPO	8				
4	АН	0 203 277 A2	12/1986	EPO		}			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) Appeal against Decision of Opposition Division filed in the EPO on February 21, 2002 including Main AM Request, Opponent's schematic representation of sitosterol and sitostanol and Proprietor's schematic representation of sitostanol, sitosterol and cholesterol. Denke, "Lack of efficacy of low-dose sitostanol therapy as an adjunct to a cholesterol-lowering diet in AN men with moderate hypercholesterolemia", American Journal of Clinical Nutrition, 1995, vol. 61, pages 392-396. Swell et al., " Sterol Specificity of Pancreatic Cholesterol Esterase", Proc. Soc. Exp. Biol. Med., 1954, AO vol. 87, pages 216-218. Vahouny et al., "Absolute Requirement for Free Sterol for Absorption by Rat Intestinal Mucosa", Proc. Soc. Exp. Biol. Med., 1964, vol. 116, pages 496-498. Tavani et al., "The sterol substrate specificity of acyl CoA: cholesterol acyltransferase from rat liver", Journal of Lipid Research, 1982, vol. 23, pages 774-781. Hendriks, et al., "Spreads enriched with three different levels of vegetable oil sterols and the degree of cholesterol lowering in normocholesterolaemic and mildly hypercholesterolaemic subjects", European Journal of Clinical Nutrition, 1999, vol. 53, pages 319-327. Kondo et al., "Isolation of Ovulatory-Active Substances from Crops of Job's Tears", Chem. Pharm. Bull., 1988, vol. 36(8), pages 3147-3152.

EXAMINER	Cur	DATE CONSIDERED 7
*EXAMINER:	Initial if reference considered, whether or	not citation is in conformance with MPEP 609; Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant.

FILING DATE

Harougth

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

019075-00058

APPLICANT

MIETTINEN et al.

GROUP

Sheet 13 of 15

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

		T	U.S. P	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
12	AA	5,502,045	3-1996	Miettinen et al.	~	-	
	AB	5,958,913	9-1999	Miettinen et al.		D	 -
7	AC	6,174,560	1-2001	Miettinen et al			

FOREIGN PATENT DOCUMENTS **DOCUMENT** SUB-**TRANSLATION** NO. DATE COUNTRY CLASS CLASS NO PART. EP 0 911 385 A1 AD ΕP ΑE JP-44-4974 2/28/44 Japan

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) AF Page 2 of the Written Opinion of WO 92/19640 AG Page 2 of the International Preliminary Examination Report of WO 92/19640 AH Declaration by Ilkka Etupatta ΑI Serum Plant Sterols and Cholesterol Precursors Reflect Cholesterol Absorption and Synthesis in Volunteers of a Randomly Selected Male Population, Miettinen et al., Am. J. Epiderm., vol. 131, no. 1:20-31, 1990 Fate of Dietary Sterols in Hydrogenated Oils and Fats, P.W. Parodi, J.Am. Oil Chem. Soc., Vol. ΑJ 52:345-348, 1975 ΑK Saturated Sterols (Stanols) in Unhydrogenated and Hydrogenated Edible Vegetable Oils and in Cereal Lipids, Dutta et al., J. Sci. Food Agric., Vol. 71:383-391, 1996 ΑL Method for Qualitative and Quantitative Determination of Phytosterols in Vegetable lols by LC-GC offline, Schuhmann et al., Mitt. Gebiete Lebensm. Hyg., Vol. 87:708-715, 1996 AM Sitostanol fatty acid ester content of hydrogenated rapeseed oil, Dr. Dutta's hydrogenation results AN Formation of Sitostanol During Partial and Full Hyudrogenation of Vegetable Soybean Oil with Ni-Catalyst, Raisio Benecol Ltd's hydrogenation results

EXAMINER	ODL	DATE CONSIDERED 3
*EXAMINER:	Initial if reference concommance and no	whether or not citation is in conformance with MPEP 609; Draw line through citation if not in ed. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

OOPY	Sheet 14 of 14
ATTY. DOCKET NO.	55016078,135
019075-00058	Div-of 89/612,198
APPLICANT	
MIETTINEN et al.	

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FILING DATE **GROUP** October 14, 2002

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

			OTHER REPERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)
ä	1	AO	Comparison of the effects of plant sterol ester and plant stanol ester-enriched margarines in lowering serum cholesterol concentrations in hypercholesterolaemic subjects on a low-fat diet
		AP	Effects of Low-Fat Yogurt with Plant Stanol Esters and of Consumption Frequency on LDL-Cholesterol Levels, J. Plat et al., Summary of Presentation at 92nd AOCS Annual Meeting and Expo, May 13-16, 2001, Minneapolis, Minnesota, USA
		AQ	Front page of WO 92/19640
		AR	PCT Applicant's Guide (Swedish Patent Office as ISA)
		AS	PCT Applicant's Guide (Swedish Patent Office as IPEA)
		AT	Efficacy of spreads enriched with stanol-stearate esters on blood cholesterol levels, Annex I filed with the Opponent's further submissions of June 27, 2000
		AU	Stanol Components in Edible Fats and Oils, M. Sugano et al., Sci. Byull. Fac. Agr. Kyushu Univ., Vol. 32, no. 1:21-28, 1977
		AV	Ullmann's Encyclopedia of Industrial Chemistry, Vol. A16:152-153
		AW	Elintarvike-tekniikan Perusteet, M.Hiros et al., VAPK-kustannus, Helsinki, 1990, pages 236-241, and translation of passage bridging pages 240-241
4)	AX	Hydrogenation of sterol esters. Demonstration of hydrogenation of sterol moiety, Annex II filed with the Opponent's further submission of June 27, 2000

EXAMINER	Cay	DATE CONSIDERED TO
*EXAMINER:	Initial if reference considered, whether or not citation is in	n conformance with MPEP 609; Draw line through citation if not in

Herewith

Sheet 15 of 15

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

D19075-00058

APPLICANT

Miettinen et al.

FILING DATE

SERIAL NO. 75, 135

Diva of 09/743,030

SERIAL NO. 75, 135

Diva of 09/743,030

GROUP

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

9		AA	Opposition by Unilever N.V. (OPPO 01), European Patent Application No. 91 908 435.0 435.0-2117/594612, September 6, 2002.
		АВ	RUDD et al., "Pancreatic carboxyl ester lipase (cholesterol esterase)", in Lipases, 1984, pages 185- 204 (Ed. Rorgström)
		AC	Brockeroff et al, "Cholesterol Esterase", in Lipolytic Enzymes, pages 176-193.
		AD	Vanouny et al, "Micellar-Solublized Substrates and Cholesterol Esterase Activity in Vitro", Archives of Biochemistry and Biophysics, 107, 7-15 (1964).
		AE	"The effect on cholesterol lowering cased by the difference in fatty acid profile of the stanol ester and control spread", Sept. 6, 2002.
		AF	Avart et al, "Substrate Specificity of Neutral Cholesterol Ester Hydrolase", Abstract, June 1985.
		AG	D54a, Sitosterol/Sitostanol models, pages 1-12, Sept. 6, 2002.
		AH .	D49, b-sitosterol, Reference list for stanols, September 6, 2002.
	N	Al	Department of Health and Human Services, "Food Labeling: Health Claims; Plant Sterol/Stanol Esters and Coronary Heart Disease; Interim Final Rule", Federal Register, Vol. 65, No. 175, September 2000.

EXAMINER	Cors	DATE CONSIDERED	Ter.
*EXAMINER:	Initial if reference considered, whether or not citation is li conformance and not considered. Include copy of this fo		

JUL 2 2 2004 W

Best Available Copy

115	DEPA	RTME	UT OF	COMM	IERCE
U.U.	טבו ה	I CHAIL I	11 01	COMM	IENCE
PAT	ENT A	ND TR	ADEM	IARK O	FFICE

	Sheet 1 of 1
ATTY. DOCKET NO.	SERIAL NO.
019075-00062	10/678,135
APPLICANT	
MAIETTINES A I	

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT	
MIETTINEN, et al.	
FILING DATE	GROUP
October 6, 2003	1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	_AA	6,383,514 B1	05/2002	Weitkemper et al.			
	AB						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

		The state of the s
20	АМ	MENSINK, et al., "Effect of Dietary Trans Fatty Acids on High Density and Low Density Lipoprotein Cholesterol Levels in Healthy Subjects," The New England Journal of Medicine, Vol. 323, No. 7, pages 439-445, August 1990.
	AN	PRANGE, et al., Poster at the XIIth International Symposium on Athersclerosis, Stockholm, June 2000
	АО	GYLLING, et al., "Cholesterol Reduction by Different Plant Stanol Mixtures and With Variable Fat Intake," Metabolism, Vol. 48, No. 5, pages 575-580, 1999.
	АР	KRIS-ETHERTON, et al., "Individual Fatty Acids and Esterification Effects on Blood Lipids," Dairy Foods and Cardiovascular Health, Bulletin of the IDF 353, pages 26-30, 2001.
	AQ	MENSINK, et al., "Effect of Dietary Fatty Acids on Serum Lipids and Lipoproteins," Arteriosclerosis and Thrombosis, Vol. 12, No. 8, pages 911-915, August 1992.
	AR	KEYS, et al., "Serum Cholesterol Response to Changes in the Diet. IV. Particular Saturated Fatty Acids in the Diet," Metabolism, Vol. 14, No. 7, 1965.
	AS	AVART, S.J., "Substrate Specificity of Neutral Cholesterol Ester Hydrolase and Pancreatic Cholesterol Esterase," PhD Thesis of Drexel University, June 1985.
	AT	KUKSIS, et al., "Preparation and Certain Physical Properties of Some Plant Steryl Esters," Plant Steryl Esters, Vol. 25, pages 1209-1219, July 1960.
7	AU	BHATTACHARYYA, A.K., "Uptake and esterification of plant sterols by rat small intestine," American Journal of Physiology, Vol. 240 (Gastrointestinal Liver Physiology Vol. 3), pages G50-G55, 1981.
	AV	

EXAMINER	Cor	DATE CONSIDERED	8725
*EXAMINER:	Initial if reference considered, whether or not citation is in	conformance with MPEP 609; [Oraw line through citation if not in